

**Abstract**

5       A computer implemented method of verifying events  
generated by an agent includes detecting a stimulus at an  
input of the agent and determining whether generation of  
an event by the agent in response to the stimulus is  
conditional. An expectation of the event is created  
based at least in part on the stimulus, wherein the agent  
is expected to generate the event. The method also  
10 includes making the expectation speculative if the  
generation of the event is conditional.